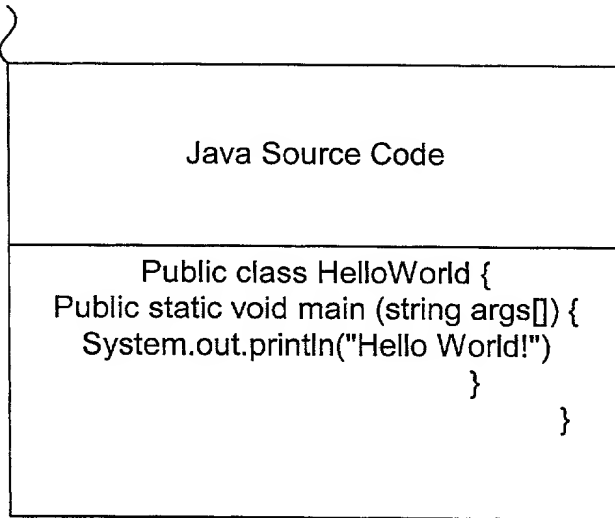
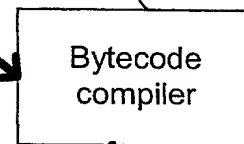


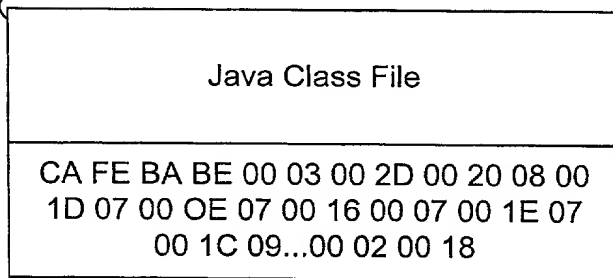
101



103



105



107

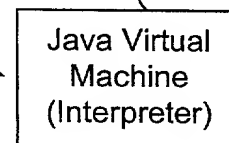


Fig. 1A

104230 226660

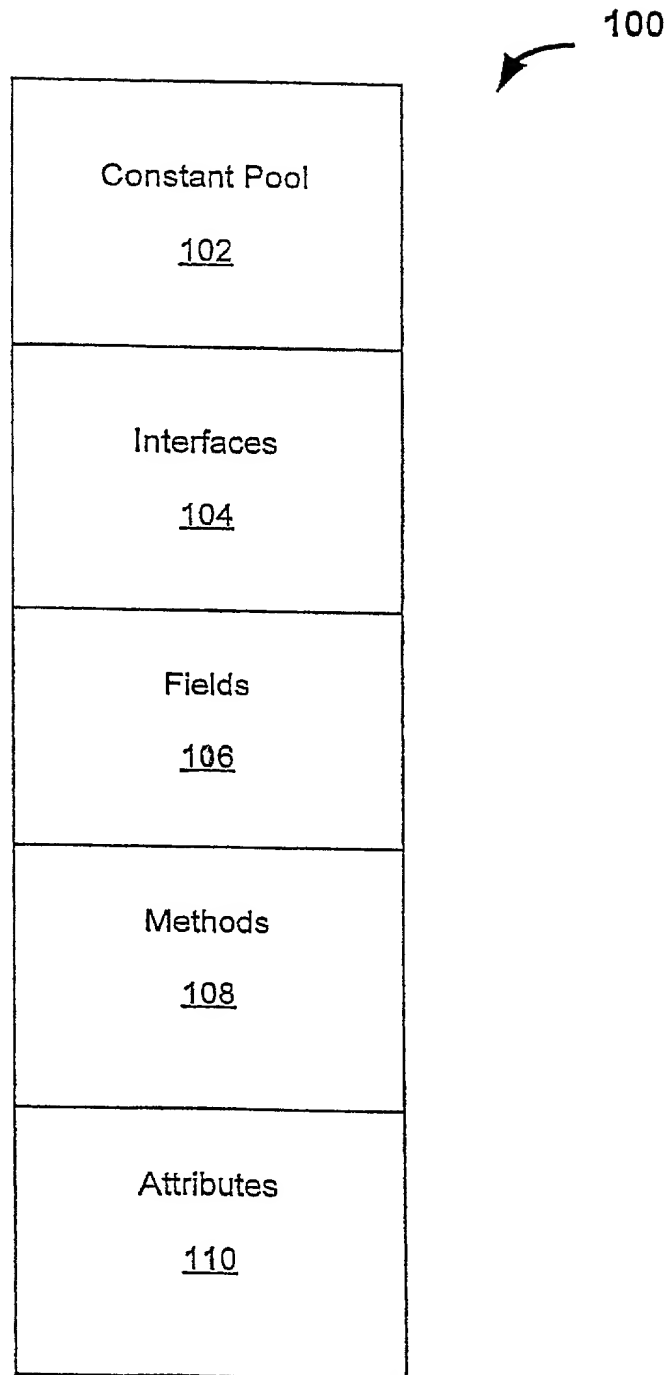


Fig. 1B

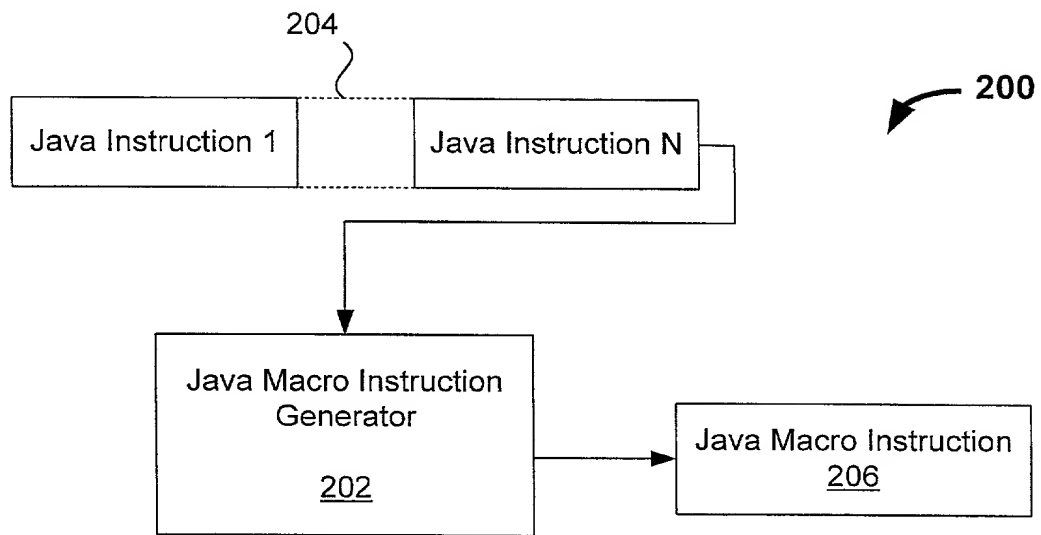


Fig. 2A

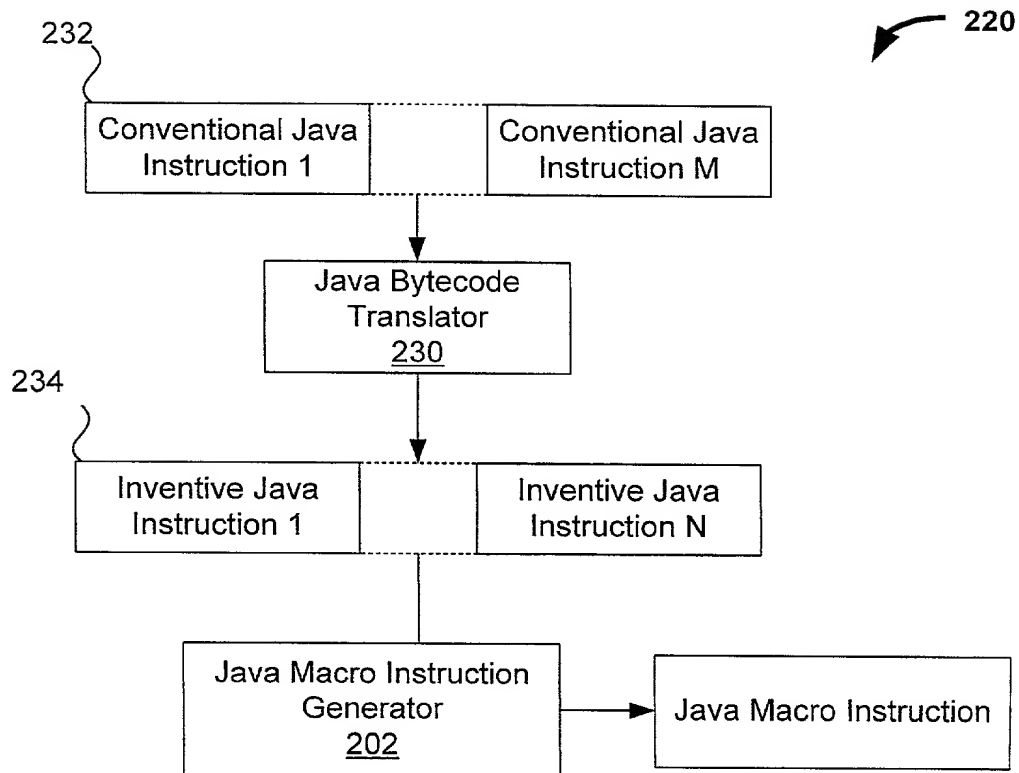


Fig. 2B

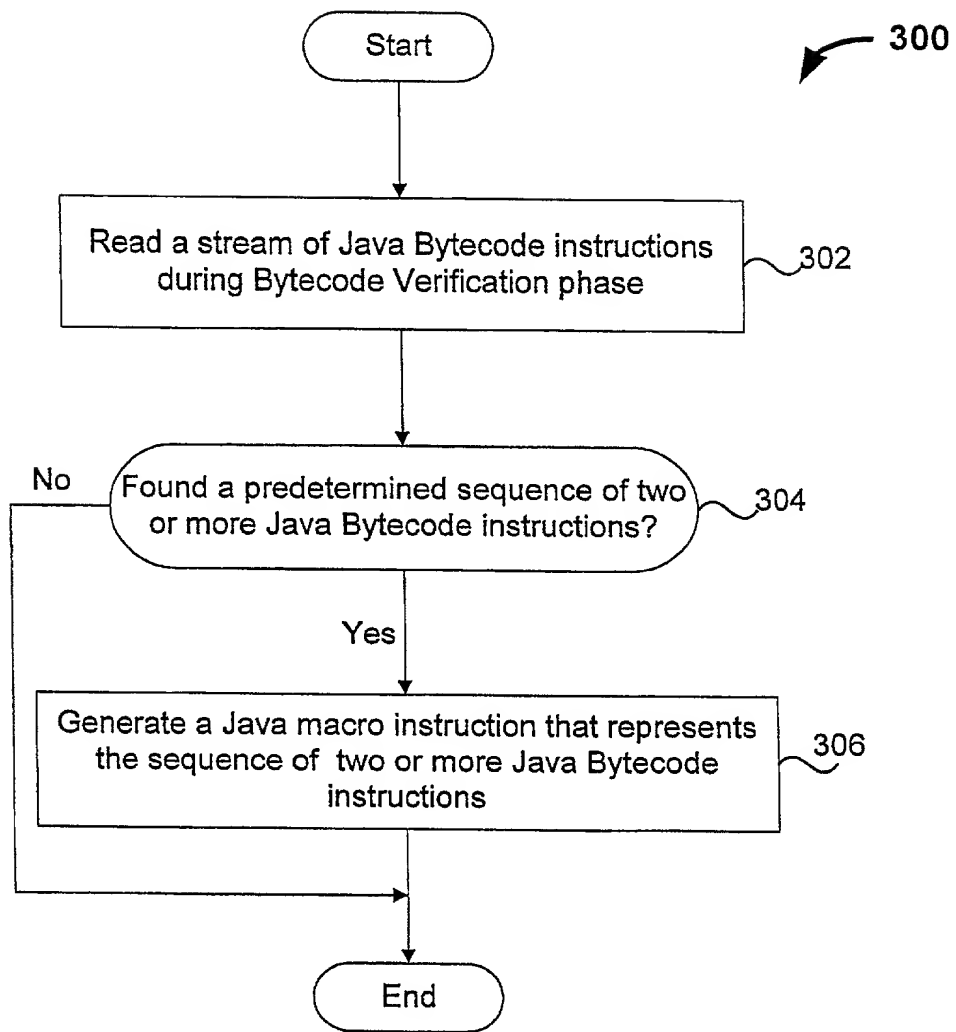


Fig. 3

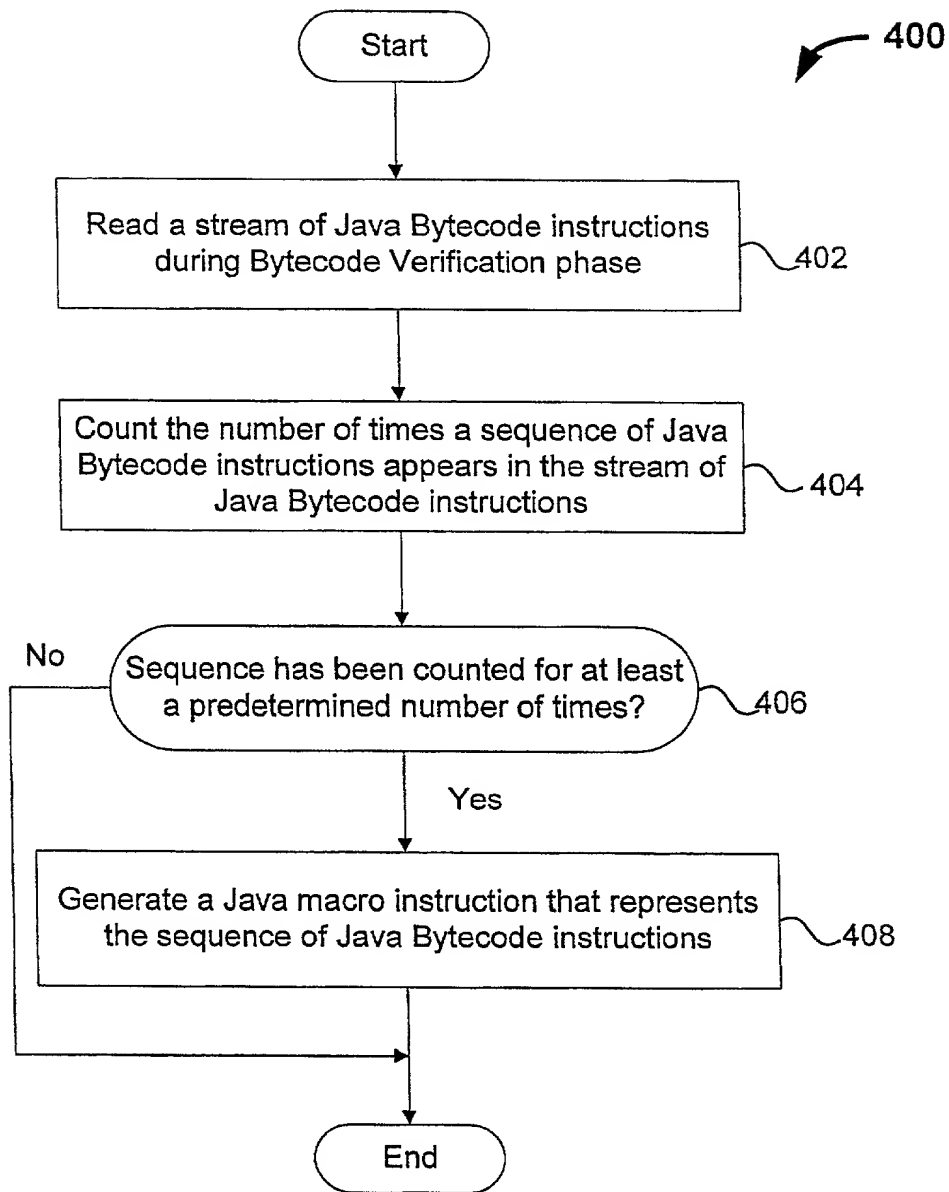


Fig. 4

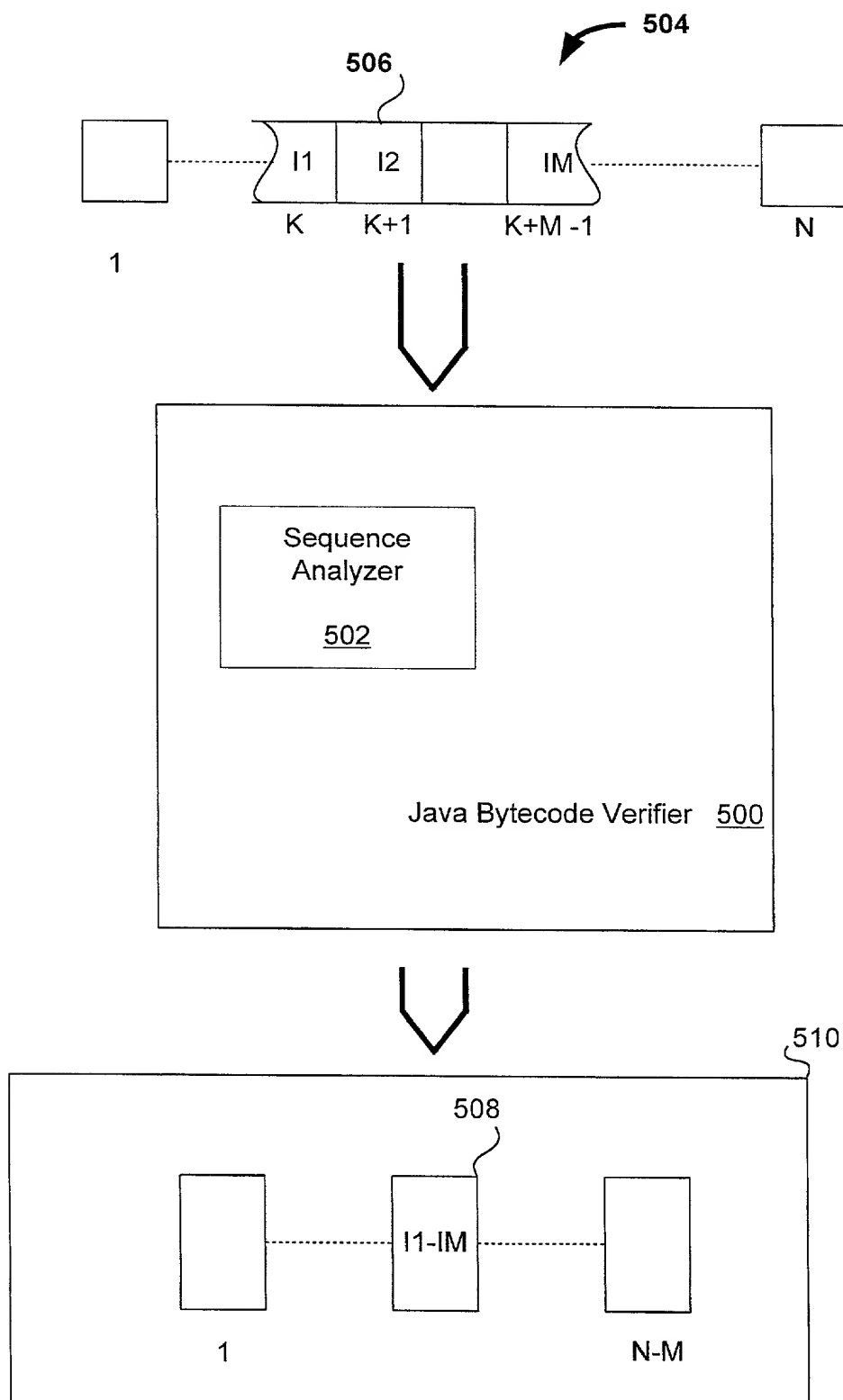


Fig. 5

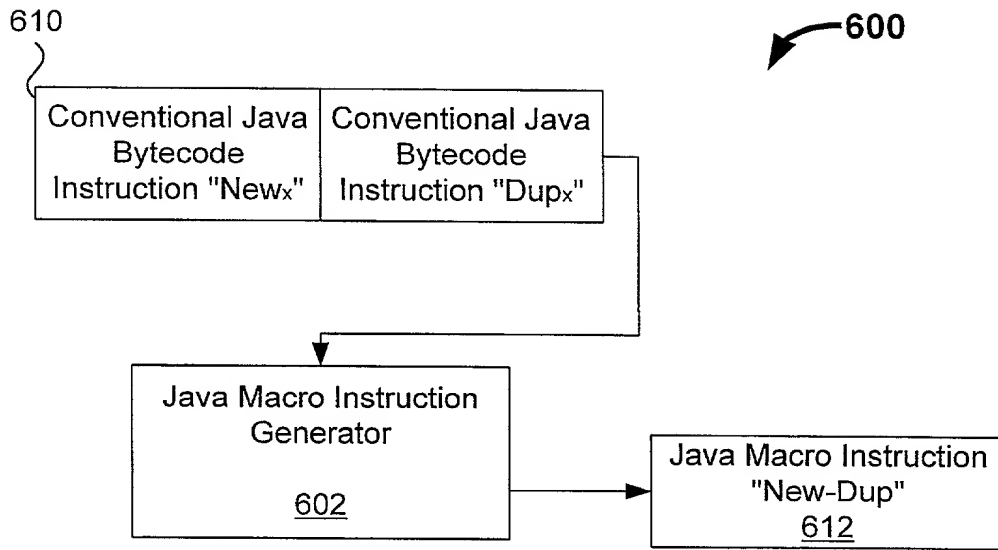


Fig. 6A

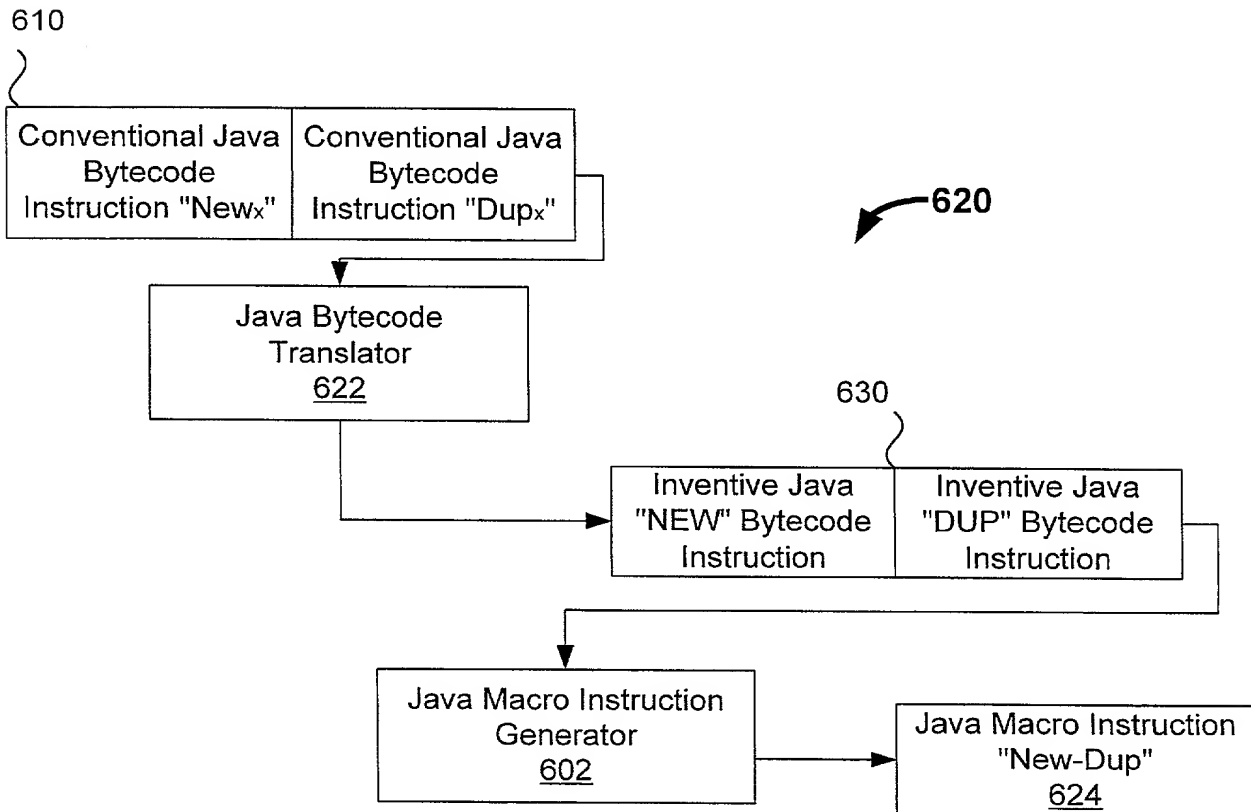


Fig. 6B

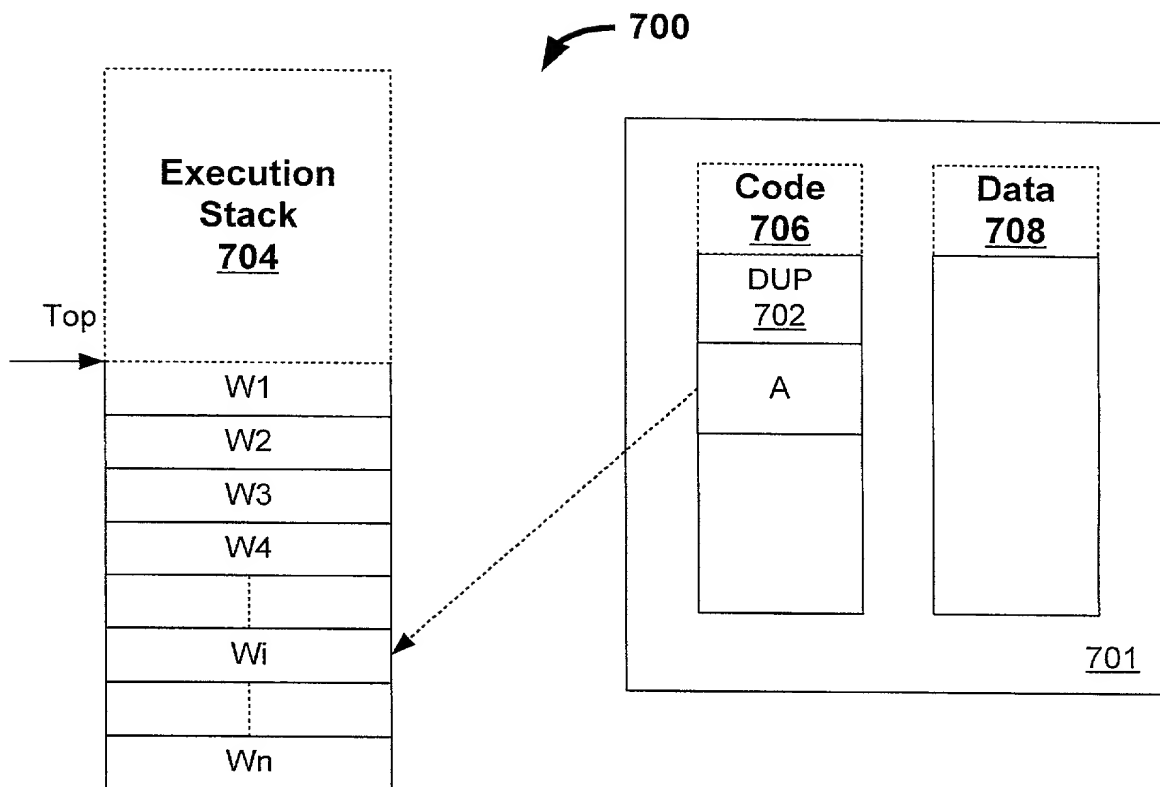


Fig. 7A

DUP
Dup
Dup_x1
Dup_x2

Fig. 7B

DUPL
Dup2
Dup2_x1
Dup2_x2

Fig. 7C

NEW
New
Newarray
Anewarray
Multianewarray

Fig. 8

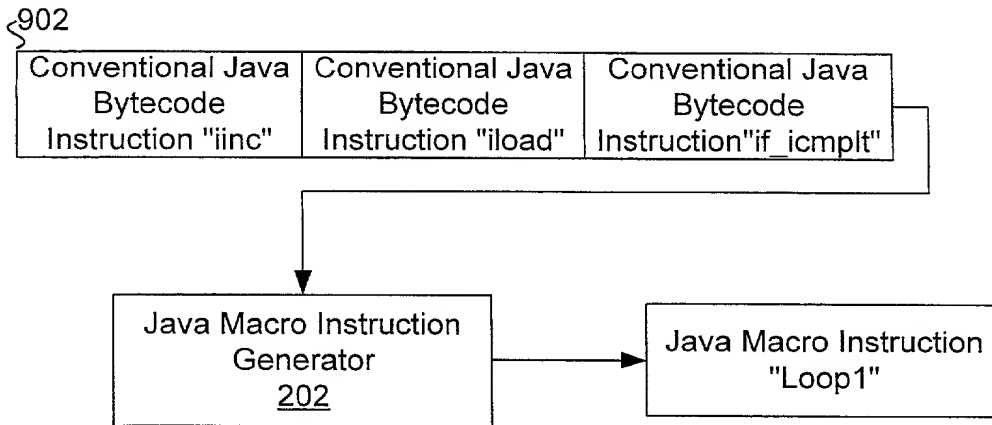


Fig. 9A

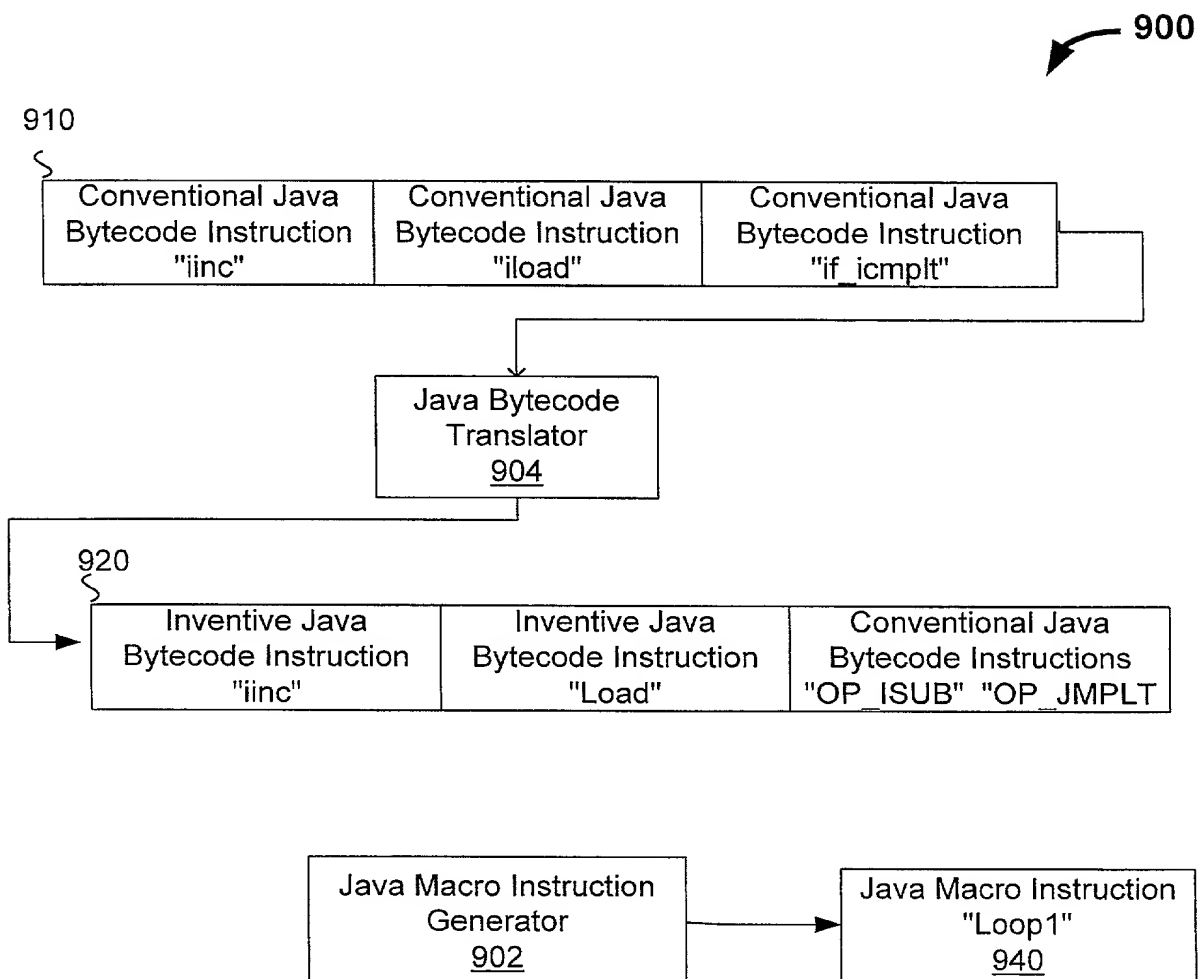
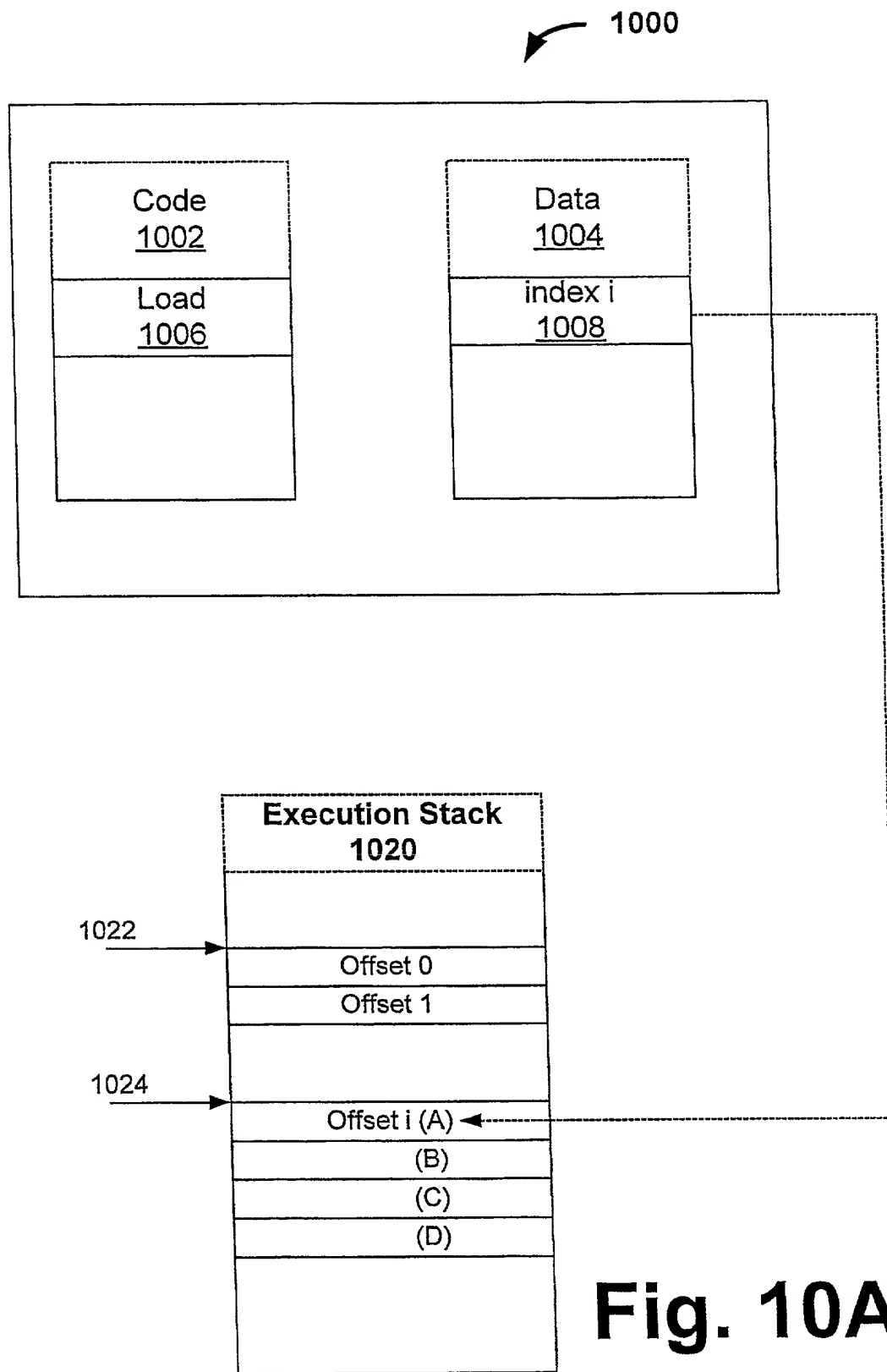


Fig. 9B



LOAD	
iload	
fload	
aload	
iload_0	
iload_1	
iload_2	
iload_3	
fload_1	
fload_2	
fload_3	
aload_0	
aload_1	
aload_2	
aload_3	

Fig. 10B

LOADL	
lload	
dload	
lload_0	
lload_1	
lload_2	
lload_3	
fload_0	
dload_0	
dload_1	
dload_2	
dload_3	

Fig. 10C

lcmp	OP_LSUB, OP_JMPEQ
fcmpl	OP_FSUB, OP_JMPLE
fcmpg	OP_FSUB, OP_JMPGE
dcmpl	OP_DCMP, OP_JMPLE
dcmpg	OP_DCMP, OP_JMPGE

Fig. 11A

if_icmpeq	OP_ISUB, OP_JMPEQ
if_icmpne	OP_ISUB, OP_JMPNE
if_icmplt	OP_ISUB, OP_JMPLT
if_icmpge	OP_ISUB, OP_JMPGE
if_icmpgt	OP_ISUB, OP_JMPGT
if_icmple	OP_ISUB, OP_JMPLE
if_acmpeq	OP_ISUB, OP_JMPEQ
if_acmpne	OP_ISUB, OP_JMPNE

Fig. 11B

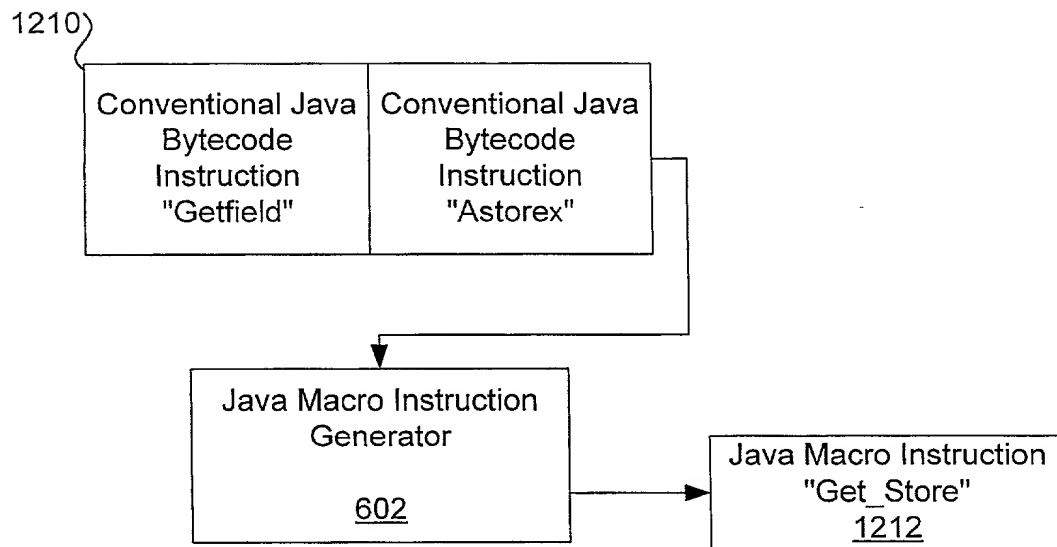


Fig. 12A

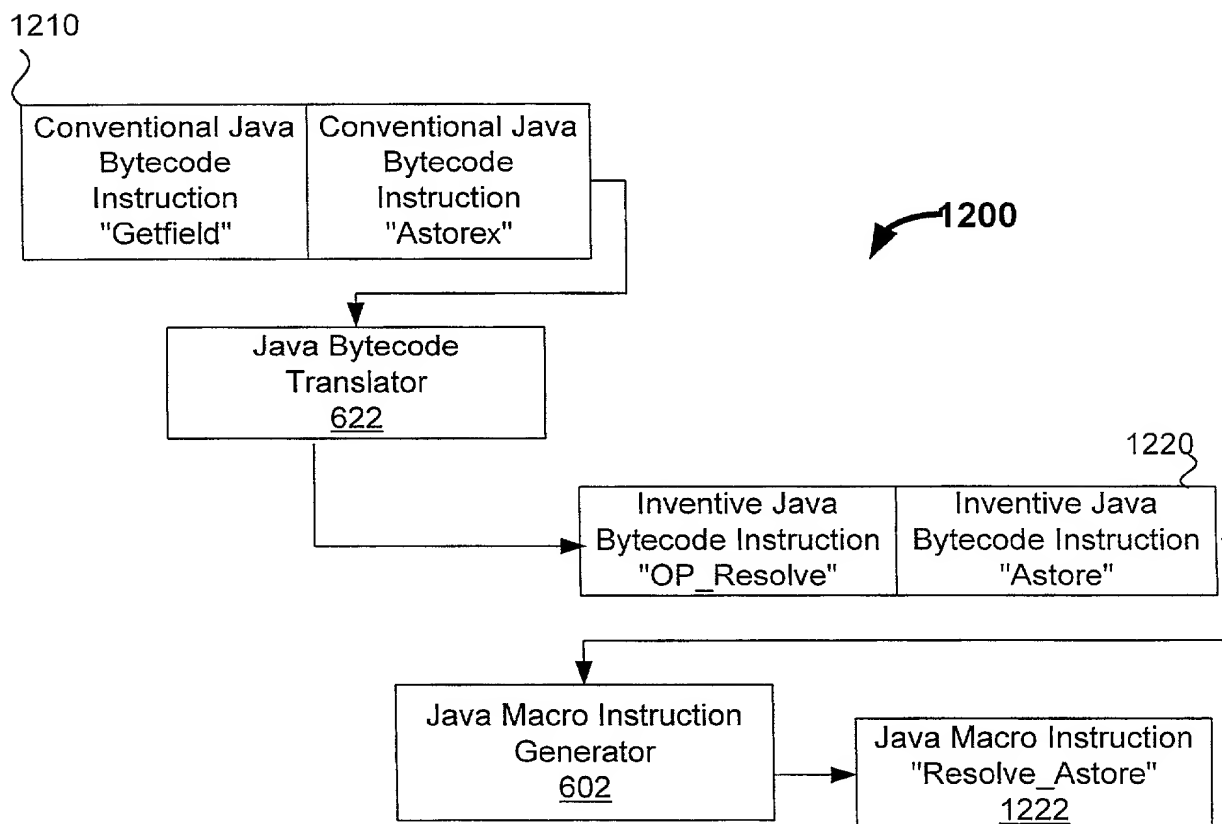


Fig. 12B

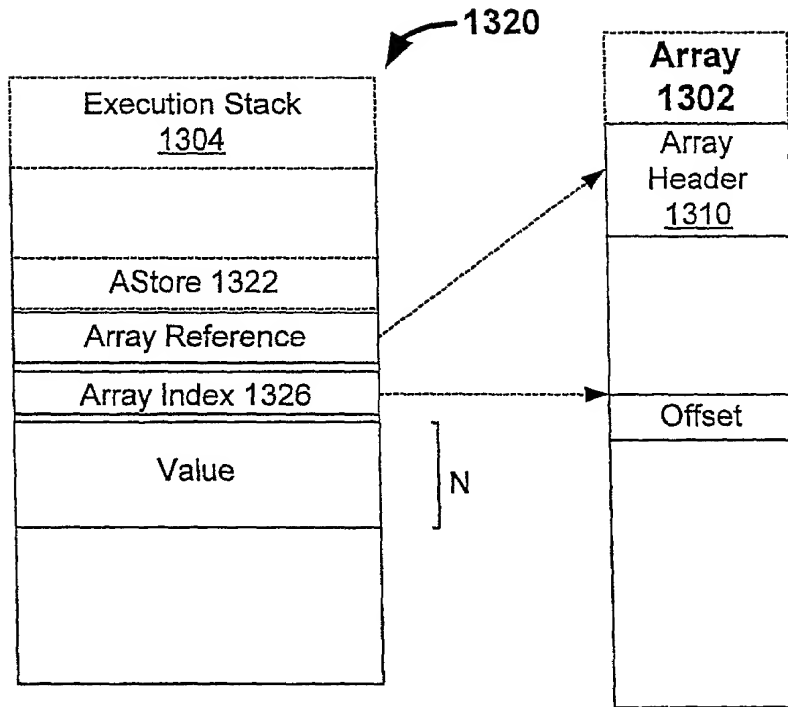


Fig. 13A

ASTORE	
iastore	
fastore	
aastore	
bastore	
castore	
sastore	

Fig. 13B

ASTOREL	
lastore	
dastore	

Fig. 13C